RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/735,963

Source: TWO

Date Processed by STIC: 7-27-05

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RAW SEQUENCE LISTING   DATE: 01/27/2005
PATENT APPLICATION: US/10/735,963   TIME: 11:24:40

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Output Set: **N:\CRF4\01272005\J735963.raw**

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 3 <110> APPLICANT: Sorensen, Jan
 4         Andersen, Knud
 5         Pettersson, Ingrid
 7 <120> TITLE OF INVENTION: Substituted Homopiperidine, Piperidine or Pyrrolidine
Derivatives
 9 <130> FILE REFERENCE: 6567.200-US
11 <140> CURRENT APPLICATION NUMBER: US 10/735,963
12 <141> CURRENT FILING DATE: 2003-12-15
14 <150> PRIOR APPLICATION NUMBER: PA 2002 01932
15 <151> PRIOR FILING DATE: 2002-12-18
17 <150> PRIOR APPLICATION NUMBER: PA 2003 00484
18 <151> PRIOR FILING DATE: 2003-03-31
20 <150> PRIOR APPLICATION NUMBER: US 60/434,253
21 <151> PRIOR FILING DATE: 2002-12-18
23 <150> PRIOR APPLICATION NUMBER: US 60/460,777
24 <151> PRIOR FILING DATE: 2003-04-04
26 <160> NUMBER OF SEQ ID NOS: 3
28 <170> SOFTWARE: PatentIn version 3.3
30 <210> SEQ ID NO: 1
31 <211> LENGTH: 445
32 <212> TYPE: PRT
33 <213> ORGANISM: Homo sapiens
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45 Trp Thr Ala Val Leu Ala Ala Leu Met Ala Leu Leu Ile Val Ala Thr
46          35                  40                  45
49 Val Leu Gly Asn Ala Leu Val Met Leu Ala Phe Val Ala Asp Ser Ser
50      50                  55                  60
53 Leu Arg Thr Gln Asn Asn Phe Phe Leu Leu Asn Leu Ala Ile Ser Asp
54 65                  70                  75                  80
57 Phe Leu Val Gly Ala Phe Cys Ile Pro Leu Tyr Val Pro Tyr Val Leu
58              85                  90                  95
61 Thr Gly Arg Trp Thr Phe Gly Arg Gly Leu Cys Lys Leu Trp Leu Val
62              100                 105                 110
65 Val Asp Tyr Leu Leu Cys Thr Ser Ser Ala Phe Asn Ile Val Leu Ile
66          115                 120                 125
69 Ser Tyr Asp Arg Phe Leu Ser Val Thr Arg Ala Val Ser Tyr Arg Ala
70      130                 135                 140
73 Gln Gln Gly Asp Thr Arg Arg Ala Val Arg Lys Met Leu Leu Val Trp
74 145                 150                 155                 160
77 Val Leu Ala Phe Leu Leu Tyr Gly Pro Ala Ile Leu Ser Trp Glu Tyr
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81 Leu Ser Gly Gly Ser Ser Ile Pro Glu Gly His Cys Tyr Ala Glu Phe
82            180              185              190
85 Phe Tyr Asn Trp Tyr Phe Leu Ile Thr Ala Ser Thr Leu Glu Phe Phe
86          195              200              205
89 Thr Pro Phe Leu Ser Val Thr Phe Phe Asn Leu Ser Ile Tyr Leu Asn
90      210              215              220
93 Ile Gln Arg Arg Thr Arg Leu Arg Leu Asp Gly Ala Arg Glu Ala Ala
94 225            230              235              240
97 Gly Pro Glu Pro Pro Pro Glu Ala Gln Pro Ser Pro Pro Pro Pro Pro
98            245              250              255
101 Gly Cys Trp Gly Cys Trp Gln Lys Gly His Gly Glu Ala Met Pro Leu
102          260              265              270
105 His Arg Tyr Gly Val Gly Glu Ala Ala Val Gly Ala Glu Ala Gly Glu
106      275              280              285
109 Ala Thr Leu Gly Gly Gly Gly Gly Gly Gly Ser Val Ala Ser Pro Thr
110      290              295              300
113 Ser Ser Ser Gly Ser Ser Ser Arg Gly Thr Glu Arg Pro Arg Ser Leu
114 305            310              315              320
117 Lys Arg Gly Ser Lys Pro Ser Ala Ser Ser Ala Ser Leu Glu Lys Arg
118          325              330              335
121 Met Lys Met Val Ser Gln Ser Phe Thr Gln Arg Phe Arg Leu Ser Arg
122          340              345              350
125 Asp Arg Lys Val Ala Lys Ser Leu Ala Val Ile Val Ser Ile Phe Gly
126          355              360              365
129 Leu Cys Trp Ala Pro Tyr Thr Leu Leu Met Ile Ile Arg Ala Ala Cys
130      370              375              380
133 His Gly His Cys Val Pro Asp Tyr Trp Tyr Glu Thr Ser Phe Trp Leu
134 385            390              395              400
137 Leu Trp Ala Asn Ser Ala Val Asn Pro Val Leu Tyr Pro Leu Cys His
138          405              410              415
141 His Ser Phe Arg Arg Ala Phe Thr Lys Leu Leu Cys Pro Gln Lys Leu
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150 <211> LENGTH: 445
151 <212> TYPE: PRT
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154 <400> SEQUENCE: 2
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161          20              25              30
164 Trp Thr Ala Val Leu Ala Ala Leu Met Ala Leu Leu Ile Val Ala Thr
165      35              40              45
168 Val Leu Gly Asn Ala Leu Val Met Leu Ala Phe Val Ala Asp Ser Ser
169      50              55              60
172 Leu Arg Thr Gln Asn Asn Phe Phe Leu Leu Asn Leu Ala Ile Ser Asp
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173 65                  70             75             80
176 Phe Leu Val Gly Ala Phe Cys Ile Pro Leu Tyr Val Pro Tyr Val Leu
177              85              90                  95
180 Thr Gly Arg Trp Thr Phe Gly Arg Gly Leu Cys Lys Leu Trp Leu Val
181              100             105                 110
184 Val Asp Tyr Leu Leu Cys Thr Ser Ser Ala Phe Asn Ile Val Leu Ile
185              115             120             125
188 Ser Tyr Asp Arg Phe Leu Ser Val Thr Arg Ala Val Ser Tyr Arg Ala
189     130                  135             140
192 Gln Gln Gly Asn Thr Arg Arg Ala Val Arg Lys Met Leu Leu Val Trp
193 145                  150             155                 160
196 Val Leu Ala Phe Leu Leu Tyr Gly Pro Ala Ile Leu Ser Trp Glu Tyr
197              165             170             175
200 Leu Ser Gly Gly Ser Ser Ile Pro Glu Gly His Cys Tyr Ala Glu Phe
201              180             185             190
204 Phe Tyr Asn Trp Tyr Phe Leu Ile Thr Ala Ser Thr Leu Glu Phe Phe
205         195             200             205
208 Thr Pro Phe Leu Ser Val Thr Phe Phe Asn Leu Ser Ile Tyr Leu Asn
209     210                  215             220
212 Ile Gln Arg Arg Thr Arg Leu Arg Leu Asp Gly Ala Arg Glu Ala Gly
213 225                  230             235                 240
216 Gly Pro Glu Pro Pro Pro Glu Ala Gln Pro Ser Pro Pro Pro Pro Pro
217              245             250             255
220 Gly Cys Trp Gly Cys Trp Gln Lys Gly His Gly Glu Ala Met Pro Leu
221              260             265             270
224 His Arg Tyr Gly Val Gly Glu Ala Ala Ala Gly Ala Glu Ala Gly Glu
225         275             280             285
228 Thr Ala Leu Gly Gly Gly Gly Gly Gly Gly Ser Ala Ala Ser Pro Thr
229     290             295             300
232 Ser Ser Ser Gly Ser Ser Ser Arg Gly Thr Glu Arg Pro Arg Ser Leu
233 305             310             315                 320
236 Lys Arg Gly Ser Lys Pro Ser Ala Ser Ser Ala Ser Leu Glu Lys Arg
237              325             330             335
240 Met Lys Met Val Ser Gln Ser Phe Thr Gln Arg Phe Arg Leu Ser Arg
241         340             345             350
244 Asp Arg Lys Val Ala Lys Ser Leu Ala Val Ile Val Ser Ile Phe Gly
245         355             360             365
248 Leu Cys Trp Ala Pro Tyr Thr Leu Leu Met Ile Ile Arg Ala Ala Cys
249     370             375             380
252 His Gly His Cys Val Pro Asp Tyr Trp Tyr Glu Thr Ser Phe Trp Leu
253 385             390             395                 400
256 Leu Trp Ala Asn Ser Ala Val Asn Pro Val Leu Tyr Pro Leu Cys His
257              405             410             415
260 His Ser Phe Arg Arg Ala Phe Thr Lys Leu Leu Cys Pro Gln Lys Leu
261         420             425             430
264 Lys Ile Gln Pro His Ser Ser Leu Glu Gln Cys Trp Lys
265         435             440             445
268 <210> SEQ ID NO: 3
269 <211> LENGTH: 445
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283 Trp Thr Ala Val Leu Ala Ala Leu Met Ala Leu Leu Ile Val Ala Thr
284         35                  40                  45
287 Val Leu Gly Asn Ala Leu Val Met Leu Ala Phe Val Ala Asp Ser Ser
288     50                  55                  60
291 Leu Arg Thr Gln Asn Asn Phe Phe Leu Leu Asn Leu Ala Ile Ser Asp
292 65                  70                  75                  80
295 Phe Leu Val Gly Ala Phe Cys Ile Pro Leu Tyr Val Pro Tyr Val Leu
296             85                  90                  95
299 Thr Gly Arg Trp Thr Phe Gly Arg Gly Leu Cys Lys Leu Trp Leu Val
300             100                 105                 110
303 Val Asp Tyr Leu Leu Cys Ala Ser Ser Val Phe Asn Ile Val Leu Ile
304         115                 120                 125
307 Ser Tyr Asp Arg Phe Leu Ser Val Thr Arg Ala Val Ser Tyr Arg Ala
308         130                 135                 140
311 Gln Gln Gly Asp Thr Arg Arg Ala Val Arg Lys Met Ala Leu Val Trp
312 145                 150                 155                 160
315 Val Leu Ala Phe Leu Leu Tyr Gly Pro Ala Ile Leu Ser Trp Glu Tyr
316             165                 170                 175
319 Leu Ser Gly Gly Ser Ser Ile Pro Glu Gly His Cys Tyr Ala Glu Phe
320             180                 185                 190
323 Phe Tyr Asn Trp Tyr Phe Leu Ile Thr Ala Ser Thr Leu Glu Phe Phe
324             195                 200                 205
327 Thr Pro Phe Leu Ser Val Thr Phe Phe Asn Leu Ser Ile Tyr Leu Asn
328         210                 215                 220
331 Ile Gln Arg Arg Thr Arg Leu Arg Leu Asp Gly Gly Arg Glu Ala Gly
332 225                 230                 235                 240
335 Pro Glu Pro Pro Pro Asp Ala Gln Pro Ser Pro Pro Pro Ala Pro Pro
336             245                 250                 255
339 Ser Cys Trp Gly Cys Trp Pro Lys Gly His Gly Glu Ala Met Pro Leu
340             260                 265                 270
343 His Arg Tyr Gly Val Gly Glu Ala Gly Pro Gly Val Glu Ala Gly Glu
344             275                 280                 285
347 Ala Ala Leu Gly Gly Gly Ser Gly Gly Gly Ala Ala Ala Ser Pro Thr
348     290                 295                 300
351 Ser Ser Ser Gly Ser Ser Ser Arg Gly Thr Glu Arg Pro Arg Ser Leu
352 305                 310                 315                 320
355 Lys Arg Gly Ser Lys Pro Ser Ala Ser Ala Ser Leu Glu Lys Arg
356             325                 330                 335
359 Met Lys Met Val Ser Gln Ser Ile Thr Gln Arg Phe Arg Leu Ser Arg
360             340                 345                 350
363 Asp Lys Lys Val Ala Lys Ser Leu Ala Ile Ile Val Ser Ile Phe Gly
364             355                 360                 365
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PATENT APPLICATION: US/10/735,963

DATE: 01/27/2005
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367 Leu Cys Trp Ala Pro Tyr Thr Leu Leu Met Ile Ile Arg Ala Ala Cys
368     370             375             380
371 His Gly Arg Cys Ile Pro Asp Tyr Trp Tyr Glu Thr Ser Phe Trp Leu
372 385             390             395                 400
375 Leu Trp Ala Asn Ser Ala Val Asn Pro Val Leu Tyr Pro Leu Cys His
376             405             410                 415
379 Tyr Ser Phe Arg Arg Ala Phe Thr Lys Leu Leu Cys Pro Gln Lys Leu
380         420             425             430
383 Lys Val Gln Pro His Gly Ser Leu Glu Gln Cys Trp Lys
384     435             440             445
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VERIFICATION SUMMARY   DATE:. 01/27/2005
PATENT APPLICATION: US/10/735,963   TIME: 11:24:41

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